

Storm Data and Unusual Weather Phenomena - April 2010

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
LAKE MICHIGAN				
WIND PT LT WI TO WINTHROP HBR IL COUNTY --- 1.2 ENE KENOSHA [42.59, -87.81]				
	04/05/10 21:30 CST		0	Marine Thunderstorm Wind (MG 34 kt)
	04/05/10 21:30 CST		0	Source: C-MAN Station
An isolated but strong thunderstorm moved over the nearshore waters of Lake Michigan producing isolated strong wind gusts.				
PT WASHINGTON TO NORTH PT LT WI COUNTY --- 0.6 N PORT WASHINGTON [43.39, -87.87]				
	04/06/10 20:30 CST		0	Marine Thunderstorm Wind (MG 34 kt)
	04/06/10 20:30 CST		0	Source: C-MAN Station
SHEBOYGAN TO PT WASHINGTON WI COUNTY --- 1.4 E SHEBOYGAN [43.75, -87.69]				
	04/06/10 20:57 CST		0	Marine Thunderstorm Wind (MG 35 kt)
	04/06/10 20:57 CST		0	Source: C-MAN Station
A small line of strong thunderstorms affected the nearshore waters of Lake Michigan from Sheboygan to north of North Point Lighthouse, caused thunderstorm wind gusts greater than 33 knots.				
WISCONSIN, Southeast				
(WI-Z069) ROCK				
	04/02/10 09:00 CST		1K	Strong Wind (MAX 43 kt)
	04/02/10 16:00 CST	1	0	
Strong southwest winds, gusting to an estimated 43 knots (50 mph) pushed a motorcycle over at the intersection on Interstate 39/90 and Hart Rd. The diver was injured, and his cycle sustained minor damage. This occurred about 4 miles northeast of Beloit. The winds about 5000 feet above ground level were about 40 to 50 knots at the time of the accident. Daytime heating and mixing of the lower atmosphere allowed some of the higher momentum air to mix down to the surface.				
LAFAYETTE COUNTY --- SHULLSBURG [42.57, -90.23]				
	04/05/10 22:20 CST		0	Hail (0.88 in)
	04/05/10 22:20 CST		0	Source: Fire Department/Rescue
Shullsburg Fire Dept. reported 7/8" hail.				
DODGE COUNTY --- REESEVILLE [43.30, -88.83]				
	04/06/10 19:55 CST		0	Hail (0.75 in)
	04/06/10 19:55 CST		0	Source: Law Enforcement
Law enforcement reported 3/4" hail.				
DODGE COUNTY --- LOWELL [43.33, -88.80]				
	04/06/10 19:59 CST		0	Hail (0.88 in)
	04/06/10 19:59 CST		0	Source: Trained Spotter
A trained spotter reported 7/8" hail.				
A complex synoptic environment set up in southern Wisconsin during the overnight hours and early morning of 5-6 April. A warm front stalled just south of the Wisconsin-Illinois border. Overnight on 5 April, elevated convection was driven by a vigorous LLJ bringing a significant risk of damaging hail and strong winds. During the morning of 6 April, remnants of an MCS tracked over the same southern area of Wisconsin bringing another round of strong thunderstorms just north of the surface warm front. Finally, during the evening, deep shear and elevated instability lead to an narrow corridor in which strong thunderstorms were able to develop and race across southern Wisconsin yet again. The main threats were large hail and strong winds.				
GREEN LAKE COUNTY --- 2.0 N GREEN LAKE [43.86, -88.95]				
	04/30/10 18:00 CST		0	Hail (1.00 in)
	04/30/10 18:00 CST		0	Source: Trained Spotter

Storm Data and Unusual Weather Phenomena - April 2010

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
GREEN LAKE COUNTY --- 3.3 SSE BERLIN [43.92, -88.91], 2.5 SE BERLIN [43.95, -88.89]				
	04/30/10 18:00 CST		0.13M	Tornado (EF1, L: 2.00 mi , W: 100 yd)
	04/30/10 18:02 CST		0	Source: Emergency Manager
<p>A weak tornado spun up southeast of Berlin near the intersection of CTH AA and Forest Ridge Rd. The tornado moved northeast and dissipated near the intersection of CTH V and White Ridge Rd. The average path width was 60 yards. A damage survey noted seven high tension wood power poles were snapped. A few trees were uprooted including one that fell on and damaged a car. There was minor roof damage to a barn. Several small barrels were thrown over 100 yards into a nearby field. A portable toilet was moved about 50 feet. Near the end of the track, a TV antenna was snapped and there was damage to the facade of a home. A small shed was destroyed and a couch that was outdoors was thrown about 75 feet. The Green Lake County Emergency Manager estimated property damage at \$30,000. Additionally, it is estimated that the power-pole and line replacement cost was about \$100,000.</p>				
MARQUETTE COUNTY --- 2.0 SE GLENOAK [43.73, -89.30], 4.3 E GLENOAK [43.76, -89.25]				
	04/30/10 18:15 CST		0	Tornado (EF0, L: 2.97 mi , W: 50 yd)
	04/30/10 18:19 CST		0	Source: NWS Storm Survey
<p>This weak tornado had 3 segments - Marquette County, Green Lake County, and a final path back in Marquette County. The first segment, described here, spun up southeast of Glen Oak near the intersection of Hwy 22 and 16th Ct., and moved northeast. Several trees had broken branches or were partially uprooted. The damage indicator used to rate this segment was: DI 27 (TH), DOD 3, 75-80 mph. This tornado exited Marquette County and went into Green Lake County, about a mile north of where the Fox River exits Marquette County. The average path width was 30 yards. The responsible thunderstorm was the northern of two parallel-moving thunderstorms with embedded circulations. Refer to the Green Lake County segment extension and the final segment that occurred in Marquette County. This tornado ultimately ended at 1824 CST in Marquette County.</p>				
MARQUETTE COUNTY --- 3.7 SE GLENOAK [43.71, -89.28], 4.5 ESE GLENOAK [43.73, -89.25]				
	04/30/10 18:15 CST		0	Tornado (EF0, L: 2.05 mi , W: 50 yd)
	04/30/10 18:17 CST		0	Source: NWS Storm Survey
<p>This tornado segment is the 1st of a 2-segment, weak, tornado that spun up about 4 miles southeast of Glen Oak in Marquette County. It moved northeast into Green Lake County where it eventually dissipated on the north shore of Pukaway Lake. Specifically, it spun up about 1/2 mile southeast of the intersection of CTY B and 16th Rd. and exited Marquette County roughly 2 miles to the northeast in the middle of the Grand River. Several trees were damaged or partially uprooted. There was no other structural damage. The average path width was 35 yards. The EF0 rating was based on DI 27 (TH), and DOD 2, 65-70 mph, after a NWS survey. The responsible thunderstorm was the southern of two parallel-moving storms with weak circulations, each moving northeast. Refer to the second segment that continue into Green Lake County.</p>				
GREEN LAKE COUNTY --- 5.8 NNW DALTON [43.73, -89.25], 5.3 SSW PRINCETON [43.77, -89.14]				
	04/30/10 18:17 CST		0	Tornado (EF0, L: 6.15 mi , W: 50 yd)
	04/30/10 18:23 CST		0	Source: NWS Storm Survey
<p>This tornado segment in Green Lake County was the 2nd of a 2-segment tornado that started in Marquette County at 1815 CST. It entered Green Lake County about 6 miles northwest of Dalton at the mid-point of the wide part of the Grand River and continued to move northeast. It crossed Pukaway Lake and came ashore just east of the corner of Marquette County near a boat launch site. A few trees had broken branches or were partially uprooted. The average path width was 35 yards. The EF0 rating was based on DI 27 (TH), and DOD 2, 65-70 mph, after a NWS survey. The responsible thunderstorm was the southern of two parallel moving storms with embedded circulations. The northern storm also produced a weak tornado.</p>				
GREEN LAKE COUNTY --- 7.5 WNW KINGSTON [43.76, -89.25], 7.2 NW KINGSTON [43.77, -89.23]				
	04/30/10 18:19 CST		0	Tornado (EF0, L: 1.10 mi , W: 50 yd)
	04/30/10 18:20 CST		0	Source: NWS Employee
<p>This Green Lake County tornado segment was the 2nd of a 3-segment tornado that initially started in Marquette County. This Green Lake County segment started about 1 mile north of where the Fox River enters Green Lake County, and moved northeast. A survey of this segment was not possible due to swamp conditions along the path. However, this tornado was seen by people near Princeton in Green. It is assumed that there was minor vegetative damage along this 2nd segment. The average path width in this 2nd segment was estimated at 30 yards. The damage indicator used to rate this segment was: DI 27 (TH), DOD 3, 75-80 mph. This tornado exited Green Lake County over the far northwest corner of Pukaway Lake and re-entered Marquette County and eventually dissipated near Fern Dr. and 22nd Ln at 1824 CST. Refer to the two Marquette County segments for other details.</p>				
MARQUETTE COUNTY --- 5.1 ESE MONTELLO [43.77, -89.23], 6.9 SSE GERMANIA [43.80, -89.18]				
	04/30/10 18:20 CST		0	Tornado (EF0, L: 3.18 mi , W: 50 yd)
	04/30/10 18:24 CST		0	Source: NWS Storm Survey
<p>This Marquette County tornado segment was the 3rd of a 3-segment tornado that initially started in Marquette County at 1815 CST and then crossed Green Lake County and re-entered Marquette County. It re-entered just southwest of the intersection of CTH C and 20th Ct. and moved northeast. Several trees had broken branches or were partially uprooted. It ended near Fern Dr. and 22nd Ln at 1824 CST. The average path width in this 3rd segment was estimated at 30 yards. The damage indicator used to rate this segment was: DI 27 (TH), DOD 3, 75-80 mph. Refer to the associated Green Lake County and Marquette County segments for other details.</p>				

Storm Data and Unusual Weather Phenomena - April 2010

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
----------	-----------	-------------------	---------------------	------------------------

Parts of southeast Wisconsin lay within the warm sector of a mid-latitude cyclone for much of the day with persistent southerly winds blowing ahead of a cold front draped from western Iowa through the Texas panhandle. As the front pushed across southwest Wisconsin, moderate CAPE and strong shear were present and two lines of thunderstorms developed, with the second of these lines producing three weak tornadoes. One inch diameter hail was also reported in association with the second line of thunderstorms.